

Experimental Biology '96

Washington, DC April 14-17

SYMPOSIA

From receptor to response: brain stem cholinergic mechanisms of autonomic control

Helen A. Baghdoyan

Neurogenic mechanisms of long-term arterial pressure regulation: beyond the baroreceptor reflex

John W. Osborn

The role of ras in the transmission of growth and developmental signals

Deborah K. Morrison

Intracellular calcium communication

Michael L. Woodruff

Oxidants and thiol redox control in the gastrointestinal tract

Tak Yee Aw & Dean P. Jones

Role of nitric oxide in the physiology and pathophysiology of the digestive system

Matthew B. Grisham

Signalling mechanisms and genes involved in the development of cell hypertrophy

Patricia Preisig

Fatigue and endurance capacity of respiratory muscles: emerging concepts

Ralph F. Fregosi

Lung inflammation: cells, secretory products and signalling mechanisms

James D. Crapo

Molecular targets of vascular disease

David L. Crandall

Comparative aspects of membrane transport: functional variation within common paradigms

Gregory Ahearn

The kidney as a target organ for growth hormone

Aviad Haramati

The single smooth muscle cell: 25th anniversary

Roland M. Bagby & Frederick S. Fay

Nitric oxide and the functions of juxtaglomerular apparatus

Ian A. Reid & Ronald H. Freeman

Epithelial issues

Sandy I. Helman

Mechanisms of angiogenesis

Kathryn G. Lamping

Structural and functional characteristics of juxtaglomerular cells

Jurgen B. Schnermann

Potassium channels and blood vessels

Donald D. Heistad

Effects of growth hormone excess in transgenic mice

Andrzej Bartke

Cell-matrix interactions in lung development

Robert M. Senior & Jesse Roman

WORKSHOPS

Refresher course for teaching of gastrointestinal physiology

Norman Weisbrodt

Methods for evaluating higher order learning

Roger Thies

BIOMEDICAL ENGINEERING SOCIETY

Adhesion biomechanics: Molecular, cellular and biomechanical aspects of cell adhesion

K.-L. Paul Sung

Transport of peptides and proteins

Cynthia Sung

New approaches to membrane potential studies using voltage-sensitive dyes

James M. Beach

NORTH AMERICAN SOCIETY OF BIORHEOLOGY

Gene regulation by mechanical force in mammalian cells

Larry V. McIntire

SOCIETY FOR EXPERIMENTAL BIOLOGY AND MEDICINE

Role of natriuretic peptides in body fluid homeostasis

Samuel M. McCann

DISTINGUISHED LECTURESHIPS

Robert M. Berne Distinguished Lectureship of the APS Cardiovascular Section

Richard J. Traystman

Joseph Erlanger Distinguished Lectureship of the APS Central Nervous System Section

J. Allan Hobson

August Krogh Distinguished Lectureship of the APS Comparative Physiology Section

Knut Schmidt-Nielsen

Carl Ludwig Distinguished Lectureship of the APS Neural Control & Autonomic Regulation Section

Diana L. Kunze

Hugh Davson Distinguished Lectureship of the APS Cell & General Physiology Section

Günter Blobel

Solomon A. Berson Distinguished Lectureship of the APS Endocrinology & Metabolism Section

Robert J. Lefkowitz

Ernest H. Starling Distinguished Lectureship of the APS Water & Electrolyte Homeostasis Section

Allen W. Cowley, Jr.

Edward F. Adolph Distinguished Lectureship of the APS Environmental & Exercise Physiology Section

John T. Reeves

Horace W. Davenport Distinguished Lectureship of the APS Gastrointestinal Section

Alan F. Hofmann

Carl W. Gottschalk Distinguished Lectureship of the APS Renal Physiology Section

Mark A. Knepper

Julius H. Comroe Distinguished Lectureship of the APS Respiration Section

Marlene Rabinovitch

Claude Bernard Distinguished Lectureship of the APS Teaching of Physiology Section

Stanley G. Schultz

SPECIAL SESSIONS AND LECTURES

APS Bowditch Lecture

Kim E. Barrett

Physiology in Perspective: The Walter B. Cannon Memorial Lecture

Richard Tsien